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SENSOR SERIAL NUMBER: 3168  
 CALIBRATION DATE: 11-Jan-19

SBE 21 TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.22206980e-003  
 h = 6.24447420e-004  
 i = 1.88678609e-005  
 j = 1.04882492e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2574.082	0.9999	-0.00012
4.5000	2782.608	4.5002	0.00021
15.0000	3481.520	14.9998	-0.00017
18.5000	3740.164	18.5000	0.00000
24.0000	4173.789	24.0000	-0.00004
28.9999	4597.825	29.0002	0.00029
32.5000	4912.018	32.4998	-0.00018

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

Residual (°C) = instrument temperature - bath temperature

